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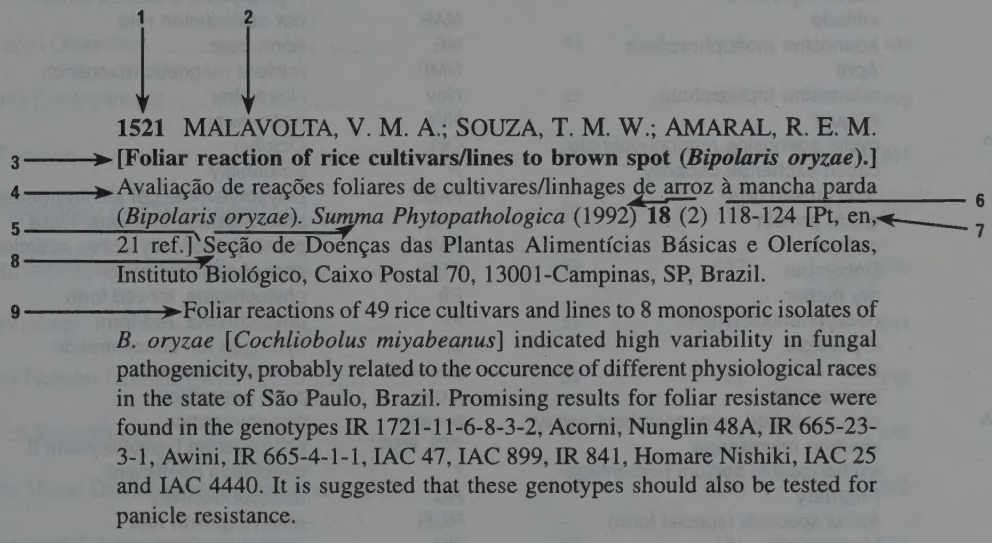
9 Abstract



1521 MALAVOLTA, V. M. A.; SOUZA, T. M. W.; AMARAL, R. E. M.
[Foliar reaction of rice cultivars/lines to brown spot (*Bipolaris oryzae*).]
Avaliação de reações foliares de cultivares/linhagens de arroz à mancha parda (*Bipolaris oryzae*). *Summa Phytopathologica* (1992) **18** (2) 118-124 [Pt, en, 21 ref.] Seção de Doenças das Plantas Alimentícias Básicas e Olerícolas, Instituto Biológico, Caixo Postal 70, 13001-Campinas, SP, Brazil.

Foliar reactions of 49 rice cultivars and lines to 8 monosporic isolates of *B. oryzae* [*Cochliobolus miyabeanus*] indicated high variability in fungal pathogenicity, probably related to the occurence of different physiological races in the state of São Paulo, Brazil. Promising results for foliar resistance were found in the genotypes IR 1721-11-6-8-3-2, Acorni, Nunglin 48A, IR 665-23-3-1, Awini, IR 665-4-1-1, IAC 47, IAC 899, IR 841, Homare Nishiki, IAC 25 and IAC 4440. It is suggested that these genotypes should also be tested for panicle resistance.

For non-serial publications such as books, transliterated titles are given for languages in Cyrillic or Greek scripts.

Editorial additions within abstracts appear in square brackets e.g. for preferred Latin names of organisms.

Where an item is not abstracted from the original document but from a secondary source, this is indicated after the author's affiliation.

The author and subject indexes for the four quarterly parts are cumulated to provide annual indexes. Terms used in the indexes are taken from the CAB Thesaurus, 1990 edition.

LANGUAGE SYMBOLS

The language symbols are listed below. An initial capital letter denotes the main language of a paper, an initial small letter the language of the summary.

Af	Afrikaans	Eo	Esperanto	Ja	Japanese	Pt	Portuguese
Al	Albanian	Es	Spanish	Ko	Korean	Ro	Romanian
Ar	Arabic	Fi	Finnish	La	Latin	Ru	Russian
Az	Azerbaijani	Fr	French	Li	Lithuanian	Sh	Serbo Croat
Be	Belarussian	Gr	Greek	Lv	Latvian	Sk	Slovak
Bg	Bulgarian	He	Hebrew	Ma	Macedonian	Sn	Slovenian
Ch	Chinese	Hi	Hindi	My	Bahasa Malaysia/ Malay	Sv	Swedish
Cs	Czech	Hu	Hungarian			Ta	Tajik
Da	Danish	Ia	Interlingua	Nl	Dutch, Flemish	Th	Thai
De	German	In	Indonesian	No	Norwegian	Tr	Turkish
Ee	Estonian	Is	Icelandic	Pe	Persian	Uk	Ukrainian
En	English	It	Italian	Pl	Polish		

ABBREVIATIONS

ADP	adenosine diphosphate
a.i.	active ingredient
alt.	altitude
AMP	adenosine monophosphate
Apr.	April
ATP	adenosine triphosphate
Aug.	August
cAMP	cyclic adenosine monophosphate
CEC	cation exchange capacity
CGR	crop growth rate
CP	crude protein
cv.	cultivar
Dec.	December
DM	dry matter
DNA	deoxyribonucleic acid
DW	dry weight
E.	East
e.g.	for example
ELISA	enzyme-linked immunosorbent assay
EM	electron microscope
ESP	exchangeable sodium percentage
Feb.	February
f.sp.	*forma specialis* (special form)
FW	fresh weight
FYM	farmyard manure
GC	gas chromatography
GLC	gas-liquid chromatography
HPLC	high-performance liquid chromatography
i.e.	that is
Ig	immunoglobulin
IR	infrared
Jan.	January
LAI	leaf area index
M	molar
Mar.	March
MIM	multiple ion monitoring
mol.	molecular
MS	mass spectrometry
MW	molecular weight
N.	north
N	normal (concentration)
n	haploid chromosome number
NAD	nicotinamide adenine dinucleotide
NADH	nicotinamide adenine dinucleotide (reduced form)
NADP	nicotinamide adenine dinucleotide phosphate
NADPH	nicotinamide adenine dinucleotide phosphate (reduced form)
NAR	net assimilation rate
NE	north-east
NMR	nuclear magnetic resonance
Nov.	November
NW	north-west
Oct.	October
P	probability
PAGE	polyacrylamide gel electrophoresis
PAL	phenylalanine ammonia-lyase
PAR	photosynthetically active radiation
PEP	phosphoenolpyruvate
Pfr	phytochrome, far-red form
Pr	phytochrome, red-form
pH	hydrogen ion concentration
post-em.	post emergence
p.p.m.	parts per million
pre-em.	pre-emergence
PSI, PSII	photosystem I, photosystem II
r	correlation coefficient
RC	radioconductivity
RGR	relative growth rate
RH	relative humidity
RNA	ribonucleic acid
r.p.m.	revolutions per minute
S.	south
SDS	sodium dodecyl sulphate
SE	south-east
SEM	scanning electron microscope
Sep.	September
SIM	selective ion monitoring
sp., spp.	species (s. and pl.)
subsp., subspp.	subspecies (s. and pl.)
SW	south west
TLC	thin-layer chromatography
UV	ultraviolet
vs.	versus
v/v	volume/volume
v/w	volume/weight
W.	west
w.p.	wettable power
w/v	weight/volume
w/w	weight/weight

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France, Centre de Coopération Internationale en Recherche Agronomique pour le Développement, Observatoire des Marchés Internationaux 1342
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Frías, E. A. 328
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Galloway, D. L., Sr. 1318, 1955
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Gupta, B. S. 1953
Gupta, C. P. 1591
Gupta, D. K. D. 208
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Haider, R. 1960
Hakamoto, K. 555
Hakim, A. 2309
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Hakkeling, R. T. A. 1822
Haleem, M. A. 1954
Halid, H. 1937
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Harinder Banga 1907
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Hashihata, N. 1948
Hashim, H. 2248
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Hassan, S. A. 1718
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Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1994 for this journal.
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Acta Agriculturae Shanghai
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Acta Agronomica Sinica
Acta Agronomica, Universidad Nacional de Colombia
Acta Biologica Cracoviensia. Series Zoologia
Acta Botanica Austro Sinica
Acta Botanica Hungarica
Acta Botanica Sinica
Acta Entomologica Sinica
Acta Genetica Sinica
Acta Pedologica Sinica
Acta Phytopathologica Sinica
Acta Phytophylactica Sinica
Acta Phytophysiologica Sinica
Acta Scientiarum Naturalium Universitatis Normalis Hunanensis
Acta Scientiarum Naturalium Universitatis Sunyatseni
Acta Tropica
Acta Universitatis Agriculturalis Boreali-Occidentalis
Acta Veterinaria et Zootechnica Sinica
Advances in Plant Sciences
AFPC Policy Briefing Series
AFPC Policy Working Paper
Afro-Asian Journal of Nematology
Agrarökonomische Diskussionsbeiträge - Universität Giessen
Agrekon
Agribusiness (New York)
Agricultura y Sociedad
Agricultura, Revista Agropecuaria
Agricultural and Biological Chemistry
Agricultural and Forest Meteorology
Agricultural Economic Report - Economic Research Service, US Department of Agriculture
Agricultural Economics
Agricultural Engineer
Agricultural Engineering Australia
Agricultural Engineering Journal
Agricultural Engineering Today
Agricultural Marketing
Agricultural Outlook
Agricultural Research Journal of Kerala
Agricultural Research Review
Agricultural Reviews (Karnal)
Agricultural Science Digest (Karnal)
Agricultural Situation in India
Agricultural Systems
Agricultural Water Management
Agriculture and Horticulture
Agriculture and Human Values
Agriculture et Developpement
Agriculture, Ecosystems & Environment
Agrivita
Agro-Chemicals News in Brief
Agroforestry Today
Agrokhimiya
Agronomía Colombiana
Agronomía Costarricense
Agronomia Sulriograndense
Agronômico
Agronomie
Agronomie Tropicale
Agronomy Journal
Agrotechnology Transfer
Agrotecnia de Cuba
Alexandria Journal of Agricultural Research
Allelopathy Journal
AMA, Agricultural Mechanization in Asia, Africa and Latin America
Ambio
American Journal of Agricultural Economics
American Journal of Botany
Anais da Sociedade Entomológica do Brasil
Animal Feed Science and Technology
Animal Science and Technology
Annales de Géographie
Annali dell'Istituto Sperimentale per la Cerealicoltura
Annals of Agricultural Research
Annals of Agricultural Science (Cairo)
Annals of Agricultural Science, Moshtohor
Annals of Allergy
Annals of Applied Biology
Annals of Bangladesh Agriculture
Annals of Biology (Ludhiana)
Annals of Botany
Annals of Entomology
Annals of Plant Physiology
Annals of Plant Protection Sciences
Annals of the Entomological Society of America
Annals of the Phytopathological Society of Japan
Annual Bulletin of the Society of Parasitology, Guangdong Province
Annual Report of the Society of Plant Protection of North Japan
Annual Review of Plant Physiology and Plant Molecular Biology
Anvesak
Applied Engineering in Agriculture
Applied Entomology and Phytopathology
Applied Entomology and Zoology
Aquaculture
Arab Universities Journal of Agricultural Sciences
Archipel
Archives of Biochemistry and Biophysics
Archives of Disease in Childhood
Archives of Virology
Archivos Latinoamericanos de Nutrición
Arid Soil Research and Rehabilitation
Arkansas Farm Research
Arquivos da Universidade Federal Rural do Rio de Janeiro
Arquivos de Biologia e Tecnologia
Arroz
Arroz en las Américas
ASEAN Food Journal
Asian-Australasian Journal of Animal Sciences
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Atmospheric Environment. Part A, General Topics
Australian Commodities
Australian Geographer
Australian Journal of Agricultural Research
Australian Journal of Botany
Australian Journal of Plant Physiology
Bangkok Bank Monthly Review
Bangladesh Journal of Agricultural Economics
Bangladesh Journal of Agricultural Research
Bangladesh Journal of Plant Pathology
Bangladesh Journal of Scientific and Industrial Research
Bangladesh Journal of Training and Development
Bangladesh Journal of Zoology
Beijing Agricultural Sciences
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Bhartiya Krishi Anusandhan Patrika
Bihar Journal of Agricultural Marketing
Bio/Technology
Biochemical and Biophysical Research Communications
Biochemistry and Molecular Biology International
Biochimica et Biophysica Acta, Gene Structure and Expression
Biochimie
Biogeochemistry
Biology and Fertility of Soils
Biology Bulletin of the Russian Academy of Sciences
Biomedical and Environmental Sciences
Bioresource Technology
Bioscience, Biotechnology and Biochemistry
Biotechnology and Applied Biochemistry
Biotechnology and Development Monitor
Biotechnology Techniques
Biotronics
BIOTROPIA
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Boletim Técnico - Empresa de Pesquisa Agropecuária e Difusão de Tecnologia de Santa Catarina S.A.
Botanica Acta
Botanical Bulletin of Academia Sinica
Botanical Journal of Scotland
Botanical Research
Botanicheskiĭ Zhurnal
Bragantia
Breeding Science
British Journal of Nutrition
Buffalo Journal
Buletinul Academiei de Ştiinţe a Republicii Moldova. Şiinţe Biologice şi Chimice
Bulletin - Louisiana Agricultural Experiment Station
Bulletin - Natural Resources Institute
Bulletin of Animal Health and Production in Africa
Bulletin of Indonesian Economic Studies
Bulletin of Taichung District Agricultural Improvement Station
Bulletin of the Akita Prefectural College of Agriculture
Bulletin of the Aomori Agricultural Experiment Station
Bulletin of the Faculty of Agriculture, Hirosaki University
Bulletin of the Hiroshima Prefectural Agriculture Research Center
Bulletin of the Hokuriku National Agricultural Experiment Station
Bulletin of the Institute for Comprehensive Agricultural Sciences, Kinki University
Bulletin of the National Institute of Agrobiological Resources
Bulletin of the Shikoku National Agricultural Experiment Station
Bulletin OILB/SROP
Bulletin, Research and Development Division, Ministry of Agriculture, Jamaica
Cahiers Agricultures
Cahiers des Sciences Humaines
California Agriculture
Canadian Journal of Botany
Canadian Journal of Development Studies
Canadian Journal of Microbiology
CARD Staff Report Series
Cellulose Chemistry and Technology
Centro Agrícola
Cereal Chemistry
Ceres (Rome)
Chemical Regulation of Plants
Chemistry Express
China Agriculture and Trade Report Situation and Outlook Series
China Economic Review
Chinese Bulletin of Botany
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Chinese Journal of Parasitic Disease Control
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Ciencia Agropecuaria - Instituto de Investigación Agropecuaría de Panamá
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Ciencias del Suelo, Riego y Mecanización
Científica (Jaboticabal)
Climatic Change
CMU Journal of Science
Collection Documents Systèmes Agraires, Département Systèmes Agraires du CIRAD
Communications in Soil Science and Plant Analysis
Comptes Rendus de l'Académie des Sciences. Series 3, Sciences de la Vie
Critical Reviews in Plant Sciences
Crop Genetic Resources
Crop Improvement
Crop Protection
Crop Research (Hisar)
Crop Science
CRRN, Chinese Rice Research Newsletter
Current Agriculture
Current Genetics
Current Research - University of Agricultural Sciences (Bangalore)
Current Science
Cytotechnology
Debate Agrario (Lima)
Developing Economies
Discussion Paper - Economics Research Centre, University of East Anglia
Discussion Papers in Economics - Department of Economics, University of Leicester
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Documentos - Centro de Pesquisa Agropecuária do Trópico Úmido
Documents de Travail du CIRAD-CA
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Doğa, Türk Tarım ve Ormancılık Dergisi
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Doklady, Biochemistry
Drying Technology
Eastern and Southern Africa Geographical Journal
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Ecological Modelling
Ecologist
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Economic and Political Weekly
Economic Development and Cultural Change
Economic Geography
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Egyptian Journal of Horticulture
Egyptian Journal of Soil Science
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Entomophaga
Entwicklung + Ländlicher Raum
Environment and Ecology
Environment Update (Leamington Spa)
Environmental Entomology
Environmental Geochemistry and Health
Environmental Monitoring and Assessment
Environmental Pollution
Enzyme and Microbial Technology
Euphytica
European Journal of Agronomy
Experimental Agriculture
Experimental Genetics
Experimental Mycology
Extension Bulletin - ASPAC, Food & Fertilizer Technology Center
Faculty Paper Series - Department of Agricultural Economics, Texas A&M University
FAO Food and Nutrition Series
FAO Plant Production and Protection Paper
Farmers' Newsletter, Large Area
Farming Systems
FEBS Letters
Fertiliser News
Fertilizer Research
Fett Wissenschaft Technologie
Field Crops Research
Fitopatología
Fitopatología Venezolana
Folia Microbiologica
Food Chemistry
Food Policy
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Food Research Institute Studies
Food Research International
FoodReview
Fresenius' Journal of Analytical Chemistry
FRI Bulletin
Fujian Agricultural Science and Technology
Fundamental and Applied Nematology
Gene
Genetic Resources and Crop Evolution
Genetical Research
Genetics
Genome
Genomics (San Diego)
Geoderma
Géokin
Giannini Foundation Information Series
Global Biogeochemical Cycles
Godišen Zbornik na Zemjodelskiot Fakultet na Univerzitetot vo Skopje
Guangdong Agricultural Sciences
Haryana Agricultural University Journal of Research
Haryana Journal of Agronomy
Henan Nongye Kexue
Hereditas (Beijing)
Heredity
Horticultural Journal
HortTechnology
Hubei Agricultural Sciences
Ilmu Pertanian
Indian Agriculturist
Indian Cooperative Review
Indian Farming
Indian Forester
Indian Geographical Journal
Indian Journal of Agricultural Chemistry
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Indian Journal of Regional Science
Indian Journal of Virology
Indian Phytopathology
Indian Review of Life Sciences
Indian Veterinary Journal
Indonesian Agricultural Research & Development Journal
Indonesian Food Journal
Indonesian Journal of Crop Science
Industry of Free China
Informações Econômicas - Instituto de Economia Agrícola
Informatore Agrario
Informatore Fitopatologico
Informe Agropecuário (Belo Horizonte)
Insect Biochemistry and Molecular Biology
Insect Knowledge
Insect Science and its Application
Institute of Botany, Academia Sinica Monograph Series
International Agrophysics
International Biodeterioration & Biodegradation
International Journal of Dermatology
International Journal of Pest Management
International Journal of Plant Sciences
International Journal of Remote Sensing
International Journal of Tropical Agriculture
International Rice Research Newsletter
International Rice Research Notes
Investigación Agraria, Producción y Protección Vegetales
IPPTA
Iranian Journal of Plant Pathology
IRDCurrents
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Japanese Journal of Applied Entomology and Zoology
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Khimizatsiya Sel'skogo Khozyaĭstva
Korean Journal of Animal Sciences
Korean Journal of Applied Entomology
Korean Journal of Crop Science
Korean Journal of Entomology
Korean Journal of Mycology
Korean Social Science Journal
Köy Hizmetleri Menemen Araştırma Enstitüsü Müdürlüğü Yayınları
Krmiva
Laboratoire d'Économie - Département des Cultures Annuelles CIRAD-CA
Landbauforschung Völkenrode
Landscape Ecology
Lavoura Arrozeira
Letters in Applied Microbiology
Leucaena Research Reports
Livestock Adviser
Lotus Newsletter
Louisiana Agriculture
Lucrari Stiintifice, Institutul Agronomic 'Nicolae Balcescu', Bucuresti, Seria E, Imbunatatiri Funciare
Madras Agricultural Journal

Majalah Perusahaan Gula
Malaysian Journal of Tropical Geography
Manejo Integrado de Plagas
Manpower Journal
MARDI Research Journal
Mededelingen van de Faculteit Landbouwwetenschappen, Universiteit Gent
Medical Science Research
Memoirs of the Faculty of Agriculture, Hokkaido University
Memoirs of the Faculty of Agriculture, Niigata University
Metabolism, Clinical and Experimental
Microbiologie, Aliments, Nutrition
Microbiology (New York)
Mikologiya i Fitopatologiya
Mokuzai Gakkaishi = Journal of the Japan Wood Research Society
Molecular and General Genetics
Molecular Biology of the Cell
Molecular Plant-Microbe Interactions
Mutation Breeding Newsletter
Mycologia
Mycological Research
Mycopathologia
Mysore Journal of Agricultural Sciences
Naga
Narendra Deva Journal of Agricultural Research
National Academy Science Letters
Natural Enemies of Insects
Nature (London)
Nematologia Mediterranea
Nematologica
Netherlands Journal of Plant Pathology
New Agriculturist
New Botanist
New Phytologist
Nghiên Cúu Lúa, Omonrice
Nippon Eiyo Shokuryo Gakkaishi = Journal of the Japanese Society of Nutrition and Food Science
Nippon Nogeikagaku Kaishi
Nippon Shokuhin Kogyo Gakkaishi = Journal of the Japanese Society for Food Science and Technology
Nippon Sochi Gakkaishi = Journal of Japanese Society of Grassland Science
Norsk Geografisk Tidsskrift
Norwegian Journal of Agricultural Sciences
Nucleic Acids Research
Nutrition Research
ODI/IIMI Irrigation Management Network Paper
Oecologia
Oikos
Orissa Journal of Agricultural Research
ORSTOM Actualités
Oryza
PAC Technical Paper - Pakhribas Agricultural Centre
Pacific Economic Bulletin
Pakistan Journal of Botany
Pakistan Journal of Nematology
Pakistan Journal of Scientific and Industrial Research
Pakistan Veterinary Journal
Paper - American Society of Agricultural Engineers
Parasitica
Pediatrics
Pesquisa Agropecuária Brasileira
Pesticide Biochemistry and Physiology
Pesticide Outlook
Pesticide Research Journal
Pesticide Science
Philippine Agriculturist
Philippine Journal of Science
Photosynthesis Research
Photosynthetica
Physiologia Plantarum
Physiological and Molecular Plant Pathology
Phytochemistry
Phyton (Buenos Aires)
Phytopathology
Plant and Cell Physiology
Plant and Soil
Plant Breeding
Plant Cell
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Disease Research
Plant Genetic Resources Newsletter
Plant Growth Regulation
Plant Journal
Plant Molecular Biology
Plant Molecular Biology Reporter
Plant Pathology Bulletin
Plant Physiology
Plant Physiology & Biochemistry (New Delhi)
Plant Physiology and Biochemistry (Paris)
Plant Physiology Communications
Plant Protection Bulletin (Faridabad)
Plant Protection Bulletin (Taipei)
Plant Science (Limerick)
Plant Systematics and Evolution
Planta
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Postharvest Biology and Technology
Prajnan
Proceedings - Fertiliser Society
Proceedings of the Association for Plant Protection of Kyushu
Proceedings of the Indian National Science Academy. Part B, Biological Sciences
Proceedings of the Kanto-Tosan Plant Protection Society
Proceedings of the National Academy of Sciences of the United States of America
Progressive Farming
Protoplasma
Quarterly Journal of International Agriculture
RDA Journal of Agricultural Science, Biotechnology
RDA Journal of Agricultural Science, Crop Protection
RDA Journal of Agricultural Science. Farm Management, Agricultural Engineering, Sericulture, & Farm Products Utilization
Redia
Report of the Tohoku Branch, the Crop Science Society of Japan
Report of the Tokai Branch of the Crop Science Society of Japan
Reproduction, Nutrition, Development
Research & Exploration
Research Highlights - Tropical Agriculture Research Center
Research Journal of Food and Agriculture
Research Reports of the Kochi University, Agricultural Science
Research Reports of the Rural Development Administration, Rice
Research Topics - International Potash Institute
Researches on Population Ecology
Resource Sciences Interface
Resource, Engineering & Technology for a Sustainable World
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Rice Situation and Outlook Report
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Russian Journal of Nematology
Russian Journal of Plant Physiology
Sahel PV Info
Sarawak Gazette
Sarawak Museum Journal
Sarhad Journal of Agriculture
Sciences des Aliments
Scientia Agricultura Sinica
Scientific American
Scientific Reports of the Kyoto Prefectural University, Agriculture
Scientific Reports of the Miyagi Agricultural College
Sécheresse
Seed Science and Technology
Seed Science Research
Sel'skokhozyaĭstvennaya Biologiya
Sementi Elette
Shikoku Nogyo Shikenjo Kenkyu Shiryo = Miscellaneous Publication of the Shikoku National Agricultural Experiment Station
Shokuhin Eiseigaku Zasshi = Journal of the Food Hygienic Society of Japan
Signs
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Social Science & Medicine
Soil & Tillage Research
Soil Biology & Biochemistry
Soil Science
Soil Science and Plant Nutrition
Soil Science Society of America Journal
Soil Technology
Soils and Fertilizers in Taiwan
South African Journal of Botany
South Indian Horticulture
Southeast Asian Studies

Soviet Agricultural Sciences
Soviet Plant Physiology
Special Publication - Taichung District Agricultural Improvement Station
Special Report - Agricultural Experiment Station, Division of Agriculture, University of Arkansas
Studies on harvesting machinery in IAM BRAIN
Symbiosis (Rehovot)
Taiwan Agriculture Bimonthly
TDRI Quarterly Review
Technical Bulletin - Food and Fertilizer Technology Center
Technical Memorandum - Division of Water Resources, Institute of Natural Resources and Environment, CSIRO
Technical News - Institute of Radiation Breeding
TEI Quarterly Environment Journal
Terra e Sole
Theoretical and Applied Genetics
Transactions of the ASAE
Transactions of the Chinese Society of Agricultural Engineering
Transactions of the Chinese Society of Agricultural Machinery
Transactions of the Mycological Society of Japan
Transgenic Research
Trends in Food Science & Technology
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Weed Research (Oxford)
Weed Research (Tokyo)
Weed Science
Weed Technology
Wheat Information Service
Working Document - Centro Internacional de Agricultura Tropical
Working Paper - Department of Economics, University of Adelaide
Working Paper - International Rural Development Centre, Swedish University of Agricultural Sciences
World Agricultural Production
World Bank Economic Review
World Bank Technical Paper
World Development (Oxford)
World Grain
World Journal of Microbiology & Biotechnology
Yixue Dongwu Fangzhi = Pest Control
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International Institute of Parasitology
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International Mycological Institute
Bakeham Lane, Egham, Surrey TW20 9TY, UK

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